

Report No: SV-LLD-T3100

Test Time: 2018/6/6 18:09

## Luminaire Property

Luminaire Manufacturer: ORE LIGHTING INC

Luminaire Category: Type III-Medium

Lamp Catalog: COB

Number of LED: 2

Luminous Length (mm): 18mm

Luminous Height (mm): 1.6mm

Current: 0.492 A

Power Factor: 0.987

Luminaire Description: SV-LLD100

Lamp Description: V18

Lumens per Lamp: 6600/50w

Luminous Width (mm): 18mm

Voltage: 218.8 V

Power: 100.30 W

## Photometric Results

IES Classification: Type III

Initial Lumens: 13200 lm

Efficiency: 92.78%

Upward Ratio: 0.00%

Central Intensity: 3993.39 cd

Pos of Max. Intensity: H90 V63

Longitudinal Classification: Short

Measurement Flux: 12247

lm Downward Ratio: 92.77%

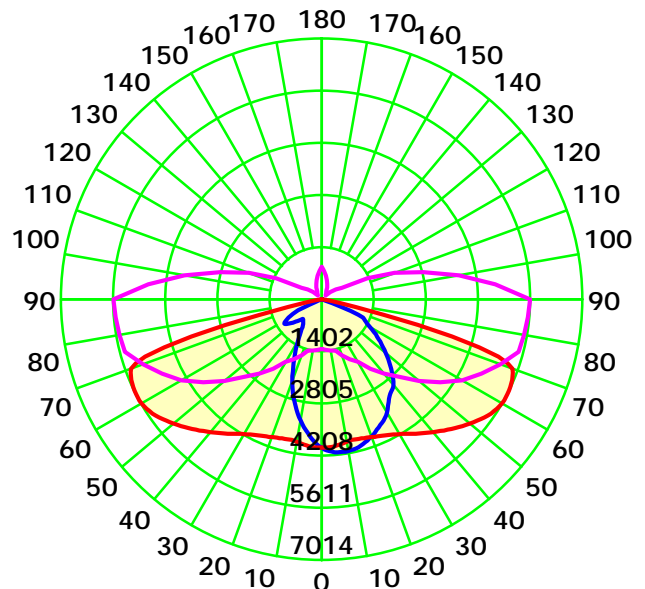
Luminaire Efficacy Rating (LER): 122.15

Max. Intensity: 5611.77 CD

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 112.1°

— C0-C180 — C90-C270 — G63

C Plane (°):0.0-180.0: 15.0

Test Lab: ORE

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

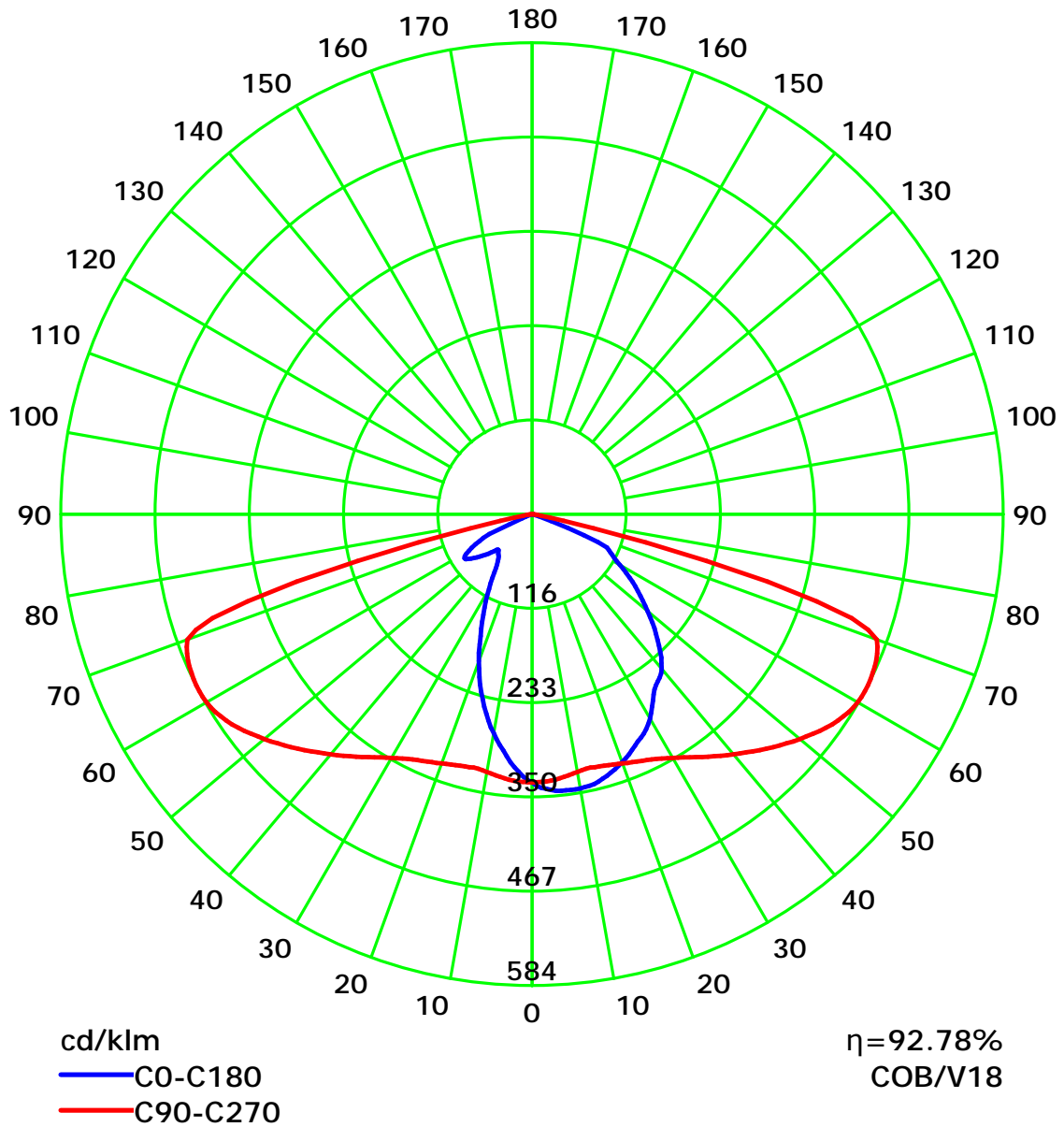
Test Device: GPM-1800B

Distance: 14.835 m

Humidity:

Inspector:

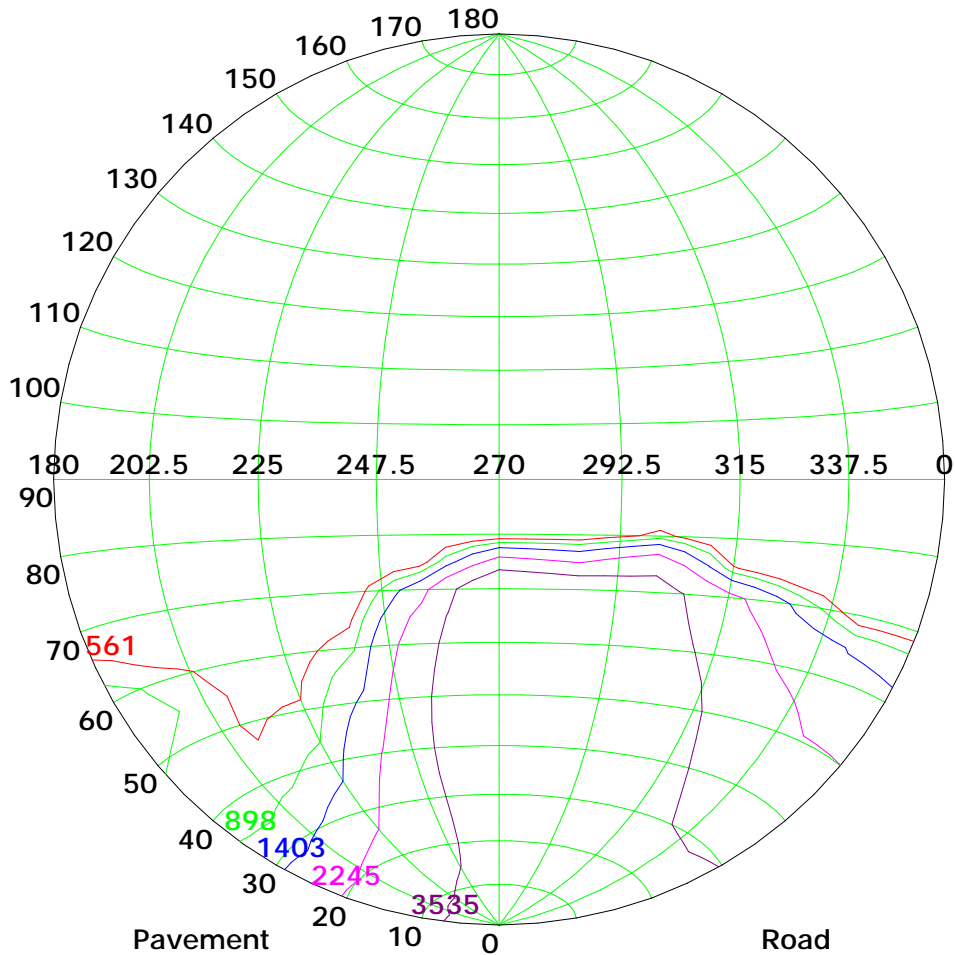
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-180.0: 15.0  
 Test Lab: ORE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 14.835 m  
 Humidity:  
 Inspector:

## Isocandela (sphere)



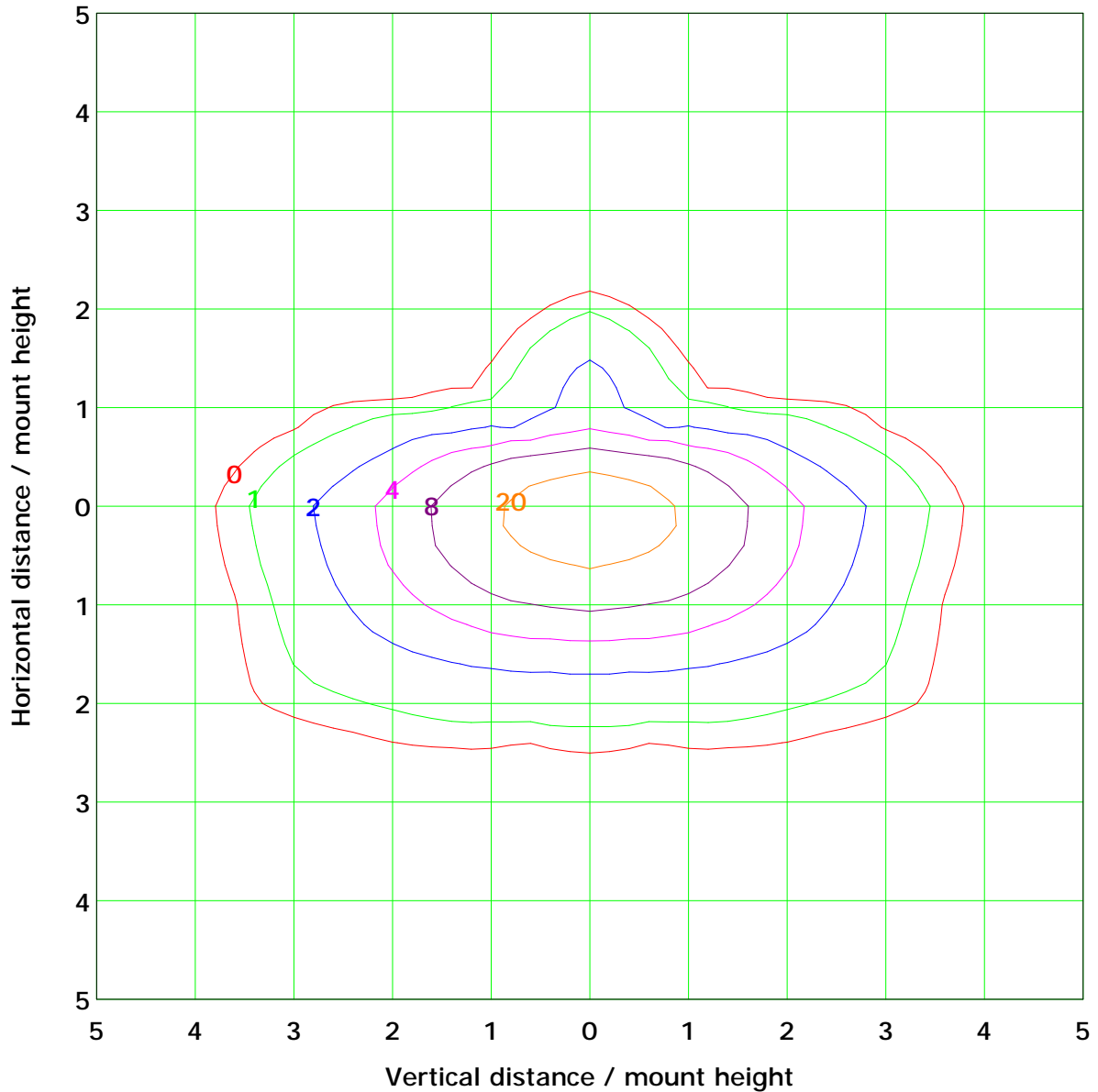
Imax (100%): 5612 cd

- |                   |                   |
|-------------------|-------------------|
| — ( 10%): 561 cd  | — ( 16%): 898 cd  |
| — ( 25%): 1403 cd | — ( 40%): 2245 cd |
| — ( 63%): 3535 cd | — (100%): 5612 cd |

C Plane (°):0.0-180.0: 15.0  
 Test Lab: ORE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 14.835 m  
 Humidity:  
 Inspector:

## IsoLux Plot



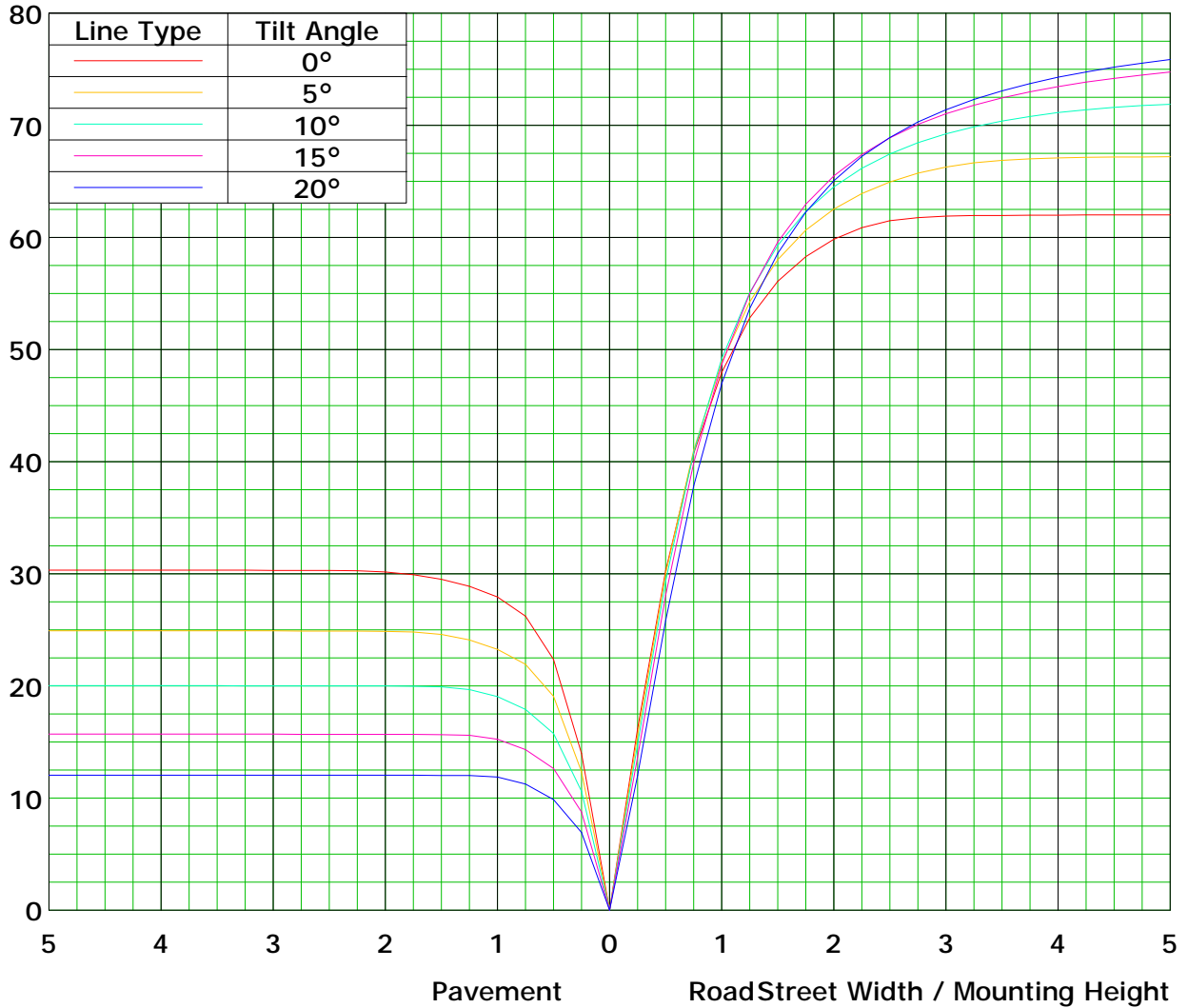
Mounting Height: 10.0m    Max Lux(100%): 41.0 lx	
— ( 1%): 0.4 lx	— ( 2%): 0.8 lx
— ( 5%): 2.0 lx	— ( 10%): 4.1 lx
— ( 20%): 8.2 lx	— ( 50%): 20.5 lx
— (100%): 41.0 lx	

C Plane (°):0.0-180.0: 15.0  
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 Test Type: TYPE C  
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Gamma Plane (°):0.0-180.0:1.0  
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 Humidity:  
 Inspector:

## Roadway CU Curve

Efficiency(%)



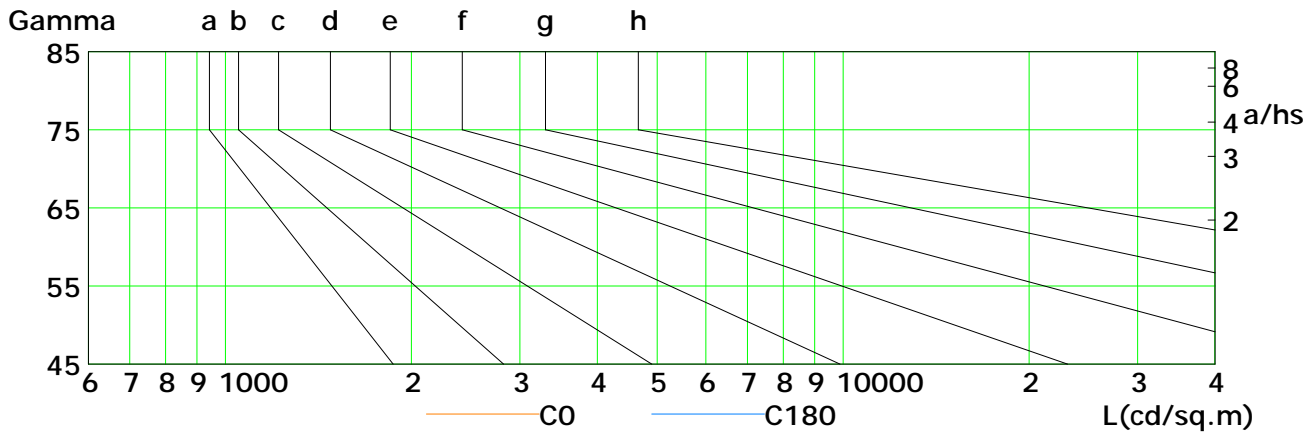
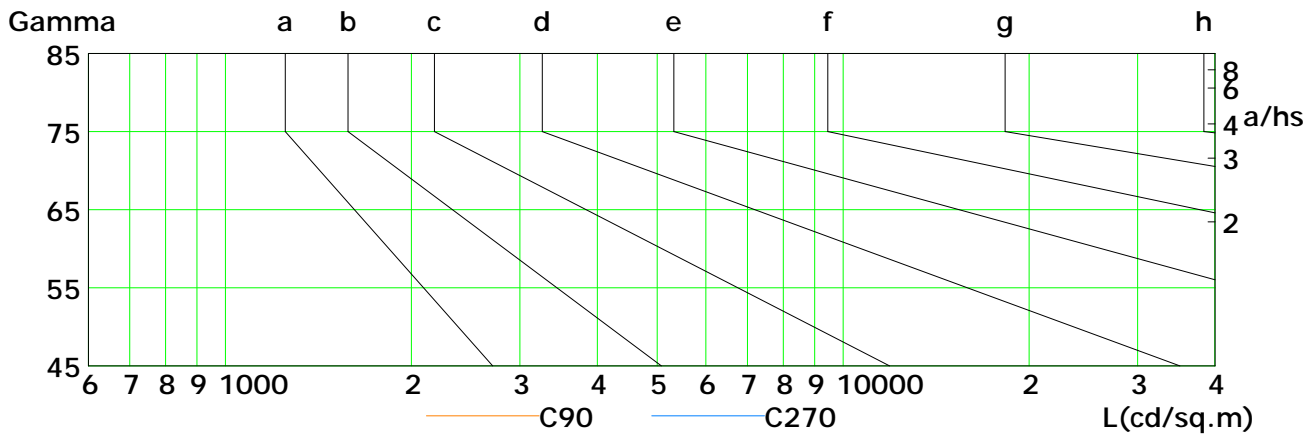
C Plane (°):0.0-180.0: 15.0  
 Test Lab: ORE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 14.835 m  
 Humidity:  
 Inspector:

## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h

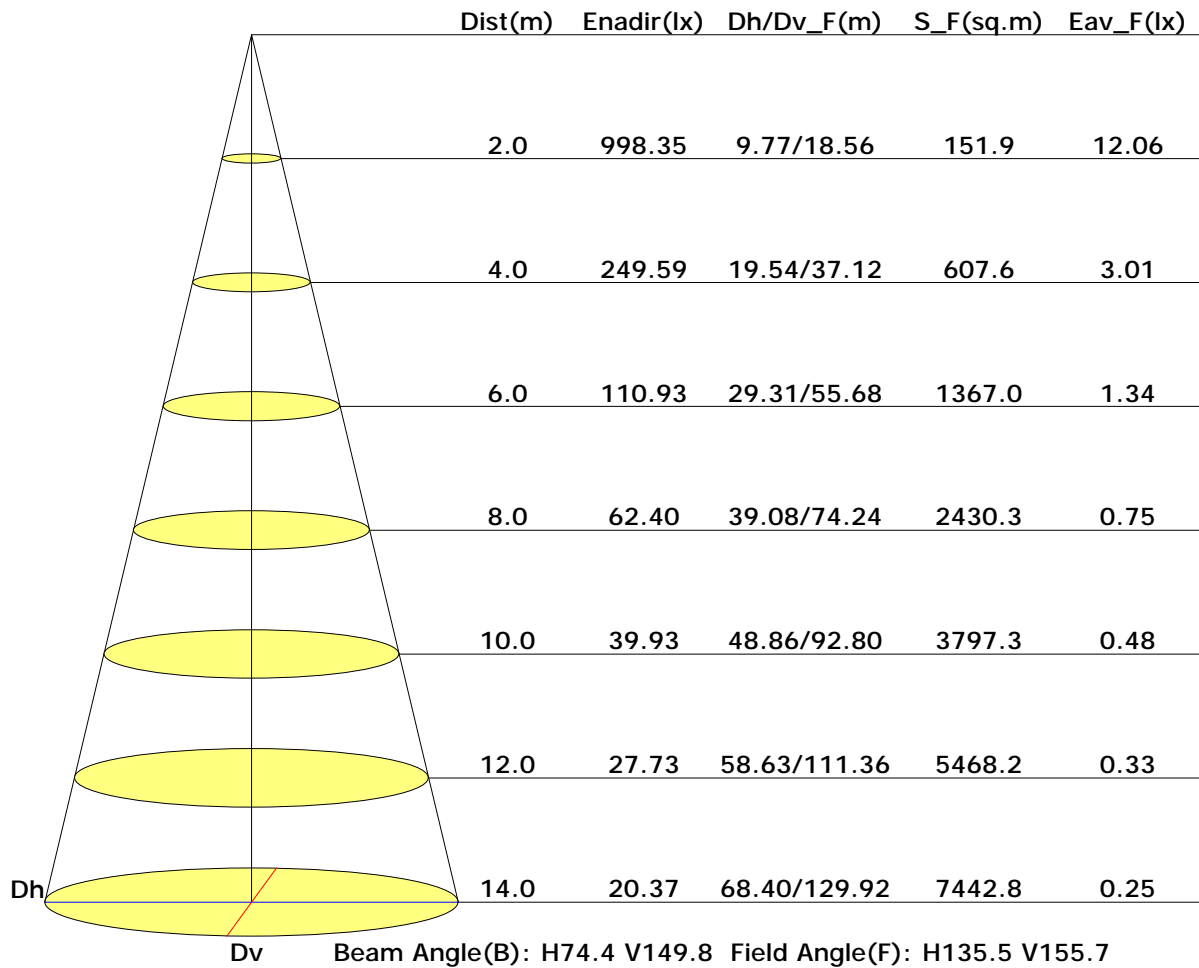


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1060089	9766853	8968823	8064992	7719969	7216649	6719446	6255056	58305647
C90	1978775	2261412	2604254	2994624	3431483	3961038	4407910	4964545	55499302
C180	3025529	4166373	5542330	7582403	10431968	14268356	19114753	2571418	3491073
C270	1978775	2261412	2604254	2994624	3431483	3961038	4407910	4964545	55499302

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 Test Device: GPM-1800B  
 Distance: 14.835 m  
 Humidity:  
 Inspector:

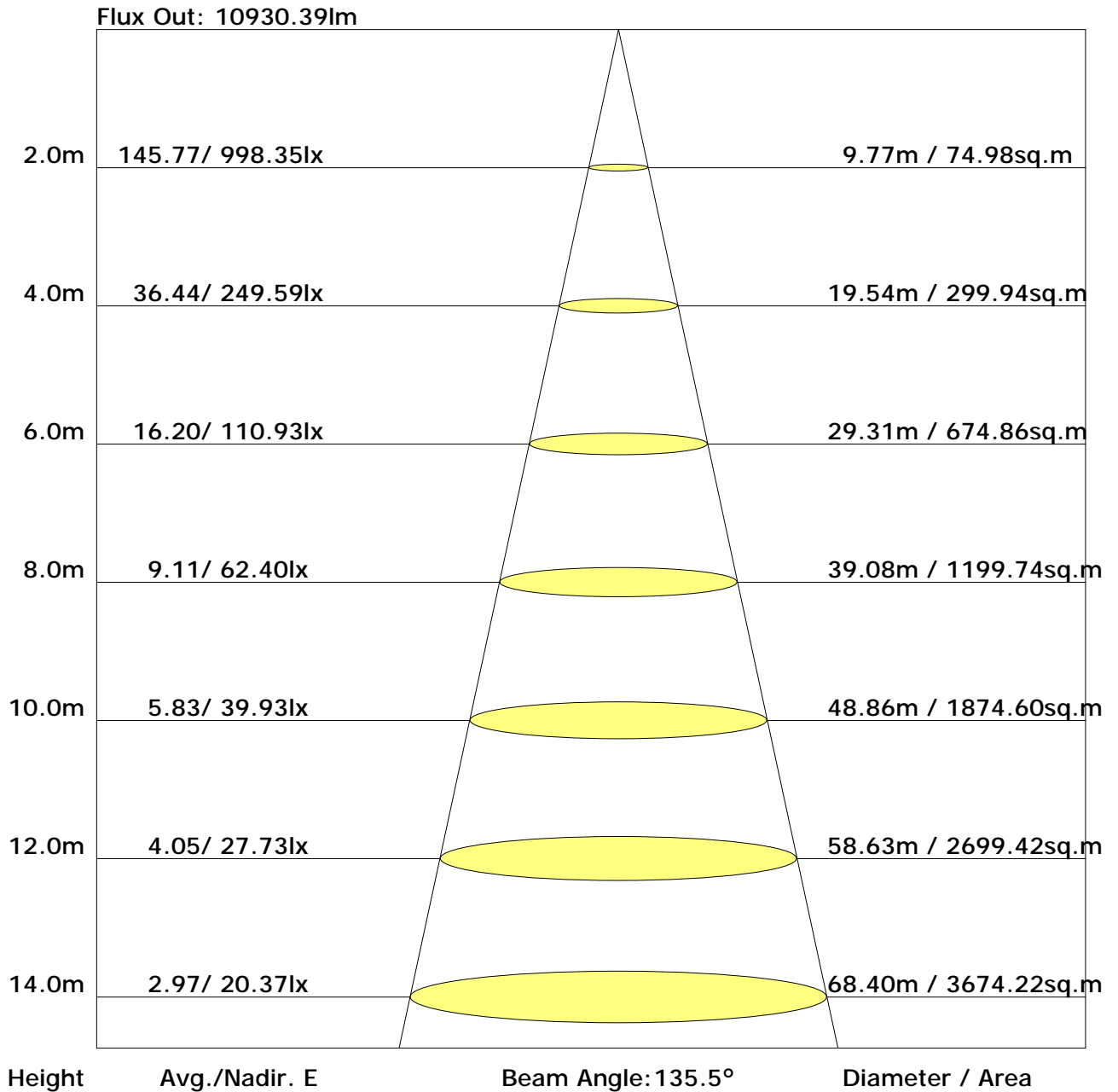
## Illuminance at a Distance



C Plane (°):0.0-180.0: 15.0  
 Test Lab: ORE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 14.835 m  
 Humidity:  
 Inspector:

## The Average Illuminance Effective Figure

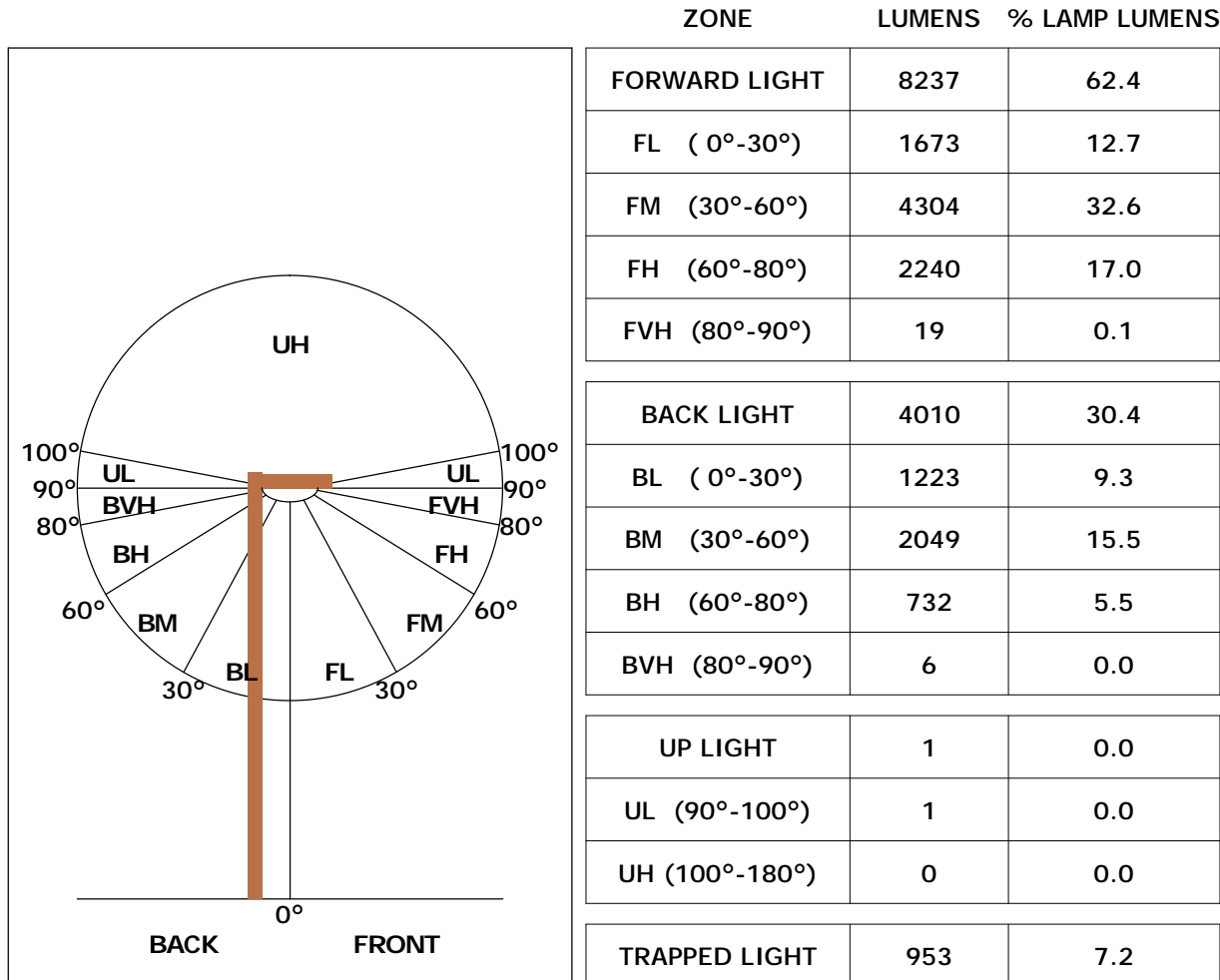


C Plane (°):0.0-180.0: 15.0  
 Test Lab: ORE  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
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**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U1 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U1 G2

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